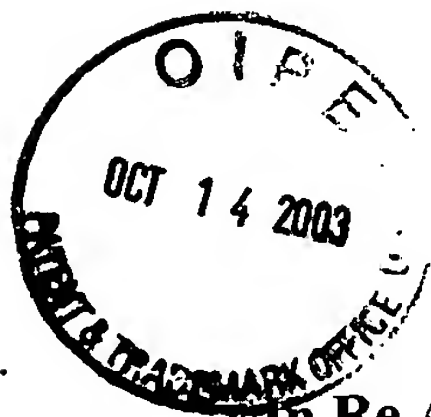


DOCKET NO.: ELSE-0818

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Rodney C. Hemminger, et al.

Application No.: 10/618,129

Filing Date: July 11, 2003

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

For: APPARATUS FOR METERING AT LEAST ONE TYPE OF ELECTRICAL  
POWER OVER A PREDETERMINED RANGE OF SERVICE VOLTAGES

DATE OF DEPOSIT:

10/8/03

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL  
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ON THE DATE INDICATED ABOVE AND IS  
ADDRESSED TO THE UNITED STATES PATENT AND  
TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA,  
VA 22313-1450.

TYPED NAME: Vincent J. Roccia  
REGISTRATION NO.: 43,887

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).



In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;

or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith

EXCEPT THAT:

☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

☒ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:

☒ Copies of references **1 thru 139, 161 thru 199** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **09/781,501**, filed **February 12, 2001**.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Copies of references **140 thru 160** listed on the attached Form PTO-1449 are not required to be submitted based on the new PTO rule which follows:. The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003.

Applicant is aware the reference #234 entitled "Quantum Technical Guide" and dated July 1989 is not being presently submitted. Applicant will attempt to locate the reference and submit it if it is located.

Applicant notes that certain claims of inequitable conduct had been made with respect to parent cases to the presently pending patent applications. These charges of inequitable conduct may be found in the cited Information Disclosure Statement documents.

There are no listed references which are not in the English language.

Date:

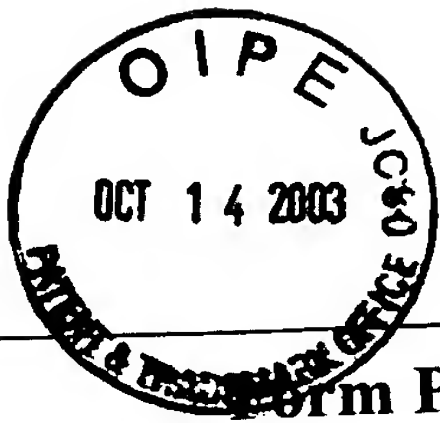
10/8/03



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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b>

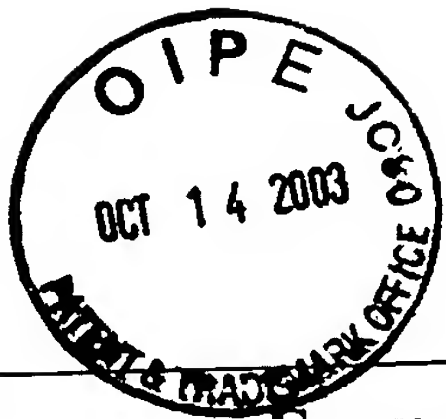
**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	1	2,724,821	11/22/55	E.Q. Schweitzer, Jr.		
	2	3,794,917	2//261974	Martin et al.		
	3	3,806,875	4//23/1974	Georget		
	4	3,826,985	7//301974	Wiley		
	5	3,976,941	8//241976	Milkovic		
	6	4,007,061	2//81977	Le Coturier		
	7	4,034,292	7/5/1977	McClelland, III		
	8	4,077,061	2/28/1978	Johnston et al.		
	9	4,092,592	5/30/1978	Milkovic		
	10	4,096,436	6/20/1978	Cook et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	11	0 288 413 A1	10/1988	EPO	x	
	12	0 462 045 A1	12/1991	EPO	x	
	13	1-239473	9/1989	JP	Abstract	
	14	1-239474	9/1989	JP	Abstract	
	15	1-239475	9/1989	JP	Abstract	

**EXAMINER****DATE CONSIDERED**

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

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**July 11, 2003**

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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	16	4,119,948	10/10/1978	Ward et al.		
	17	4,120,031	10/10/1978	Kincheloe et al.		
	18	4,131,844	12/26/1978	Hucker et al.		
	19	4,156,273	5/22/1979	Sato		
	20	4,156,931	5/29/1979	Adelman et al.		
	21	4,156,932	5/29/1979	Robinson et al.		
	22	4,158,810	6/19/1979	Leskovar		
	23	4,186,339	1/29/1980	Finger		
	24	4,209,826	6/24/1980	Priegnitz		
	25	4,213,119	7/15/1980	Ward et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	26	2 095 879	1/1982	Great Britain		
	27	61-11680	1/1986	JP	Abstract	
	28	61-284670	12/1986	JP	Abstract	
	29	61-38569	2/1986	JP	Abstract	
	30	68113/87	8/1987	Australia	x	

**EXAMINER****DATE CONSIDERED**



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<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>31</b>	4,283,772	8/11/1981	Johnston			
	<b>32</b>	4,291,375	9/22/1981	Wolf			
	<b>33</b>	4,298,839	11/3/1981	Johnston			
	<b>34</b>	4,301,508	11/17/1981	Anderson et al.			
	<b>35</b>	4,315,248	2/9/1982	Ward			
	<b>36</b>	4,335,445	6/15/1982	Nercessian			
	<b>37</b>	4,355,361	10/19/1982	Riggs et al.			
	<b>38</b>	4,359,684	11/16/1982	Ley			
	<b>39</b>	4,361,877	11/30/1982	Dyer et al.			
	<b>40</b>	4,378,524	3/29/1983	Steinmüller			
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b>		
					<b>YES</b>	<b>NO</b>	
	<b>41</b>	EP 0 092 303 B1	10/86	EPO	x		
	<b>42</b>	GB 2177 805 A	1/1987	Great Britain	x		
	<b>43</b>	WO 86/05887	10/1986	WO	x		
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			



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<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>44</b>	4,389,702	6/21/1983	Clemente et al.			
	<b>45</b>	4,399,510	8/16/1983	Hicks			
	<b>46</b>	4,407,061	10/4/1983	Grodkiewicz et al.			
	<b>47</b>	4,415,853	11/15/1983	Fisher			
	<b>48</b>	4,420,721	12/13/1983	Dorey et al.			
	<b>49</b>	4,422,039	12/20/1983	Davis			
	<b>50</b>	4,437,059	3/13/1984	Hauptmann			
	<b>51</b>	4,438,485	3/20/1984	Voigt			
	<b>52</b>	4,439,764	3/27/1984	York et al.			
	<b>53</b>	4,467,434	8/21/1984	Hurley et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b>		
					<b>YES</b>	<b>NO</b>	
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**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
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U.S. Department of Commerce  
Patent and Trademark Office

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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	<b>54</b>	4,489,384	12/18/1984	Hurley et al.		
	<b>55</b>	4,497,017	1/29/1985	Davis		
	<b>56</b>	4,509,128	4/2/1985	Coppola et al.		
	<b>57</b>	4,516,213	5/7/1985	Gidden		
	<b>58</b>	4,542,469	9/17/1985	Brandyberry et al.		
	<b>59</b>	4,566,060	1/21/1986	Hoeksma		
	<b>60</b>	4,581,705	4/8/1986	Gilker et al.		
	<b>61</b>	4,600,881	7/15/1986	LaRocca et al.		
	<b>62</b>	4,607,320	8/19/1986	Matui et al.		
	<b>63</b>	4,621,330	11/4/1986	Weikel		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

**EXAMINER****DATE CONSIDERED**

**Form PTO-1449 Modified**

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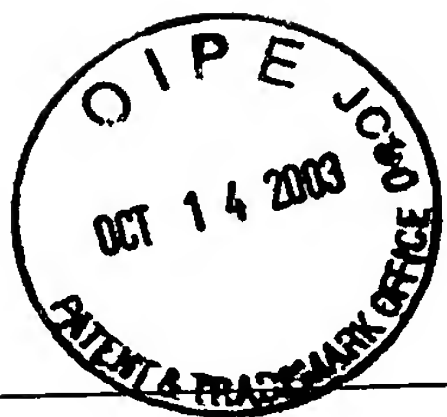
**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	64	4,622,627	11/11/1986	Rodriguez et al.		
	65	4,623,960	11/18/1986	Eng		
	66	4,642,634	2/10/1987	Gerri et al.		
	67	4,646,084	2/24/1987	Burrowes et al.		
	68	4,686,460	8/11/1987	Stevens et al.		
	69	4,692,874	9/8/1987	Mihara		
	70	4,697,180	9/29/1987	Swanson		
	71	4,700,280	10/13/1987	Onda et al.		
	72	4,701,858	10/20/1987	Stokes et al.		
	73	4,713,608	12/15/1987	Catiller et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

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**Form PTO-1449 Modified**

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(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

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Filing Date  
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Group  
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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	74	4,754,219	6/28/1988	Milkovic		
	75	4,757,456	7/12/1988	Benghiat		
	76	4,761,725	8/2/1988	Henze		
	77	4,794,369	12/27/1988	Haferd		
	78	4,803,632	2/7/1989	Frew et al.		
	79	4,814,757	3/21/1989	Patterson et al.		
	80	4,831,327	5/16/1989	Chénier et al.		
	81	4,853,620	8/1/1989	Halder et al.		
	82	4,862,493	8/29/1989	Venkataraman et al.		
	83	4,866,587	9/12/1989	Wadlington		

**FOREIGN PATENT DOCUMENTS**

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					YES	NO

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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. <b>ELSE-0818</b>		Application No. <b>10/618,129</b>	
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<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>84</b>	4,881,027	11/14/1989	Joder et al.			
	<b>85</b>	4,881,070	11/14/1989	Burrowes et al.			
	<b>86</b>	4,884,021	11/28/1989	Hammond et al.			
	<b>87</b>	4,896,106	1/23/1990	Voisine et al.			
	<b>88</b>	4,902,964	2/20/1990	Szabela et al.			
	<b>89</b>	4,902,965	2/20/1990	Bodrug et al.			
	<b>90</b>	4,908,569	3/13/1990	Fest			
	<b>91</b>	4,908,769	3/13/1990	Vaughan et al.			
	<b>92</b>	4,922,187	5/1/1990	Beverly, II			
	<b>93</b>	4,922,399	5/1/1990	Tsuzuki			
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b>		
					<b>YES</b>	<b>NO</b>	
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. <b>ELSE-0818</b>		Application No. <b>10/618,129</b>	
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<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>94</b>	4,931,725	6/5/1990	Hutt et al.			
	<b>95</b>	4,949,029	8/14/1990	Cooper et al.			
	<b>96</b>	4,951,052	8/21/1990	Jacob et al.			
	<b>97</b>	4,956,761	9/11/1990	Higashi			
	<b>98</b>	4,975,592	12/4/1990	Hahn et al.			
	<b>99</b>	4,977,368	12/11/1990	Munday et al.			
	<b>100</b>	4,978,911	12/18/1990	Perry et al.			
	<b>101</b>	4,998,061	3/5/1991	Voisine et al.			
	<b>102</b>	4,999,569	3/12/1991	Weikel			
	<b>103</b>	5,010,335	4/23/1991	Coppola et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b>		
					<b>YES</b>	<b>NO</b>	
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	<b>104</b>	5,014,213	5/7/1991	Edwards et al.		
	<b>105</b>	5,017,860	5/21/1991	Germer et al.		
	<b>106</b>	5,019,955	5/28/1991	Hoeksma		
	<b>107</b>	5,032,785	7/16/1991	Mathis et al.		
	<b>108</b>	5,059,896	10/22/1991	Germer et al.		
	<b>109</b>	5,122,735	6/16/1992	Porter et al.		
	<b>110</b>	5,140,511	8/18/1992	Lee et al.		
	<b>111</b>	5,151,866	9/29/1992	Glaser et al.		
	<b>112</b>	5,153,837	10/6/1992	Shaffer et al.		
	<b>113</b>	5,173,657	12/22/1992	Holdsclaw		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

**EXAMINER****DATE CONSIDERED**



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<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>114</b>	5,175,675	12/29/1992	Uramoto			
	<b>115</b>	5,181,026	1/19/1993	Granville			
	<b>116</b>	5,184,064	2/2/1993	Vicknair et al.			
	<b>117</b>	5,229,713	7/20/1993	Bullock et al.			
	<b>118</b>	5,245,275	9/14/1993	Germer et al.			
	<b>119</b>	5,268,633	12/7/1993	Balch			
	<b>120</b>	5,270,958	12/14/1993	Dastous			
	<b>121</b>	5,287,287	2/15/1994	Chamberlain et al.			
	<b>122</b>	5,296,803	3/22/1994	Kirby et al.			
	<b>123</b>	5,315,527	5/24/1994	Beckwith			
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b>		
					<b>YES</b>	<b>NO</b>	
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			





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<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>124</b>	5,325,051	6/28/1994	Germer et al.			
	<b>125</b>	5,391,983	2/21/1995	Lisignan et al.			
	<b>126</b>	5,457,621	10/10/1995	Munday et al.			
	<b>127</b>	5,495,167	2/27/96	Cotroneo			
	<b>128</b>	5,537,029	7/16/1996	Hemminger et al.			
	<b>129</b>	5,539,304	7/23/96	Payne et al.			
	<b>130</b>	5,544,089	8/6/1996	Hemminger et al.			
	<b>131</b>	5,548,209	8/20/1996	Lusignan et al.			
	<b>132</b>	5,548,527	8/20/1996	Hemminger et al.			
	<b>133</b>	5,555,508	9/10/1996	Munday et al.			
	<b>134</b>	5,903,145	5/11/1999	Hemminger et al.			
	<b>135</b>	6,229,295 B1	5/8/2001	Hemminger et al.			
	<b>136</b>	5,621,629	04/97	Hemminger, et al.	363	56	
	<b>137</b>	6,097,182	08/00	Hemminer, et al.	324	142	
	<b>138</b>	5,742,151	04/98	Hwang	323	222	
	<b>139</b>	5,808,455	09/98	Schwartz, et al.	323	271	
	<b>140</b>	3,569,818			363	21.12	
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			





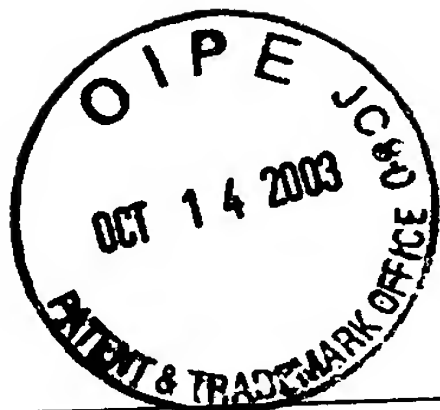
<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>	
				Applicant <b>Rodney C. Hemminger, et al.</b>		
				Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b>	
<b>U. S. PATENT DOCUMENTS</b>						
Examiner Initial	No.	Document No.	Date	Name	Class	Subclass
	141	4,241,237	12/23/80	Paraskevagos, et al.	379	106.06
	142	4,335,447	06/15/82	Jerrim	714	22
	143	4,455,453	06/19/84	Paraskevagos, et al.	379	106.06
	144	4,620,150	10/28/86	Germer, et al.	324	103.12
	145	4,639,728	01/27/87	Swanson	340	870.03
	146	4,682,169	07/21/87	Swanson	379	102.07
	147	4,697,181	09/29/87	Swanson	340	870.02
	148	4,697,182	09/29/87	Swanson	340	870.02
	149	4,804,957	02/14/89	Selph, et al.	340	870.03
	150	4,999,572	03/12/91	Bickford, et al.	324	103R
	151	5,146,394	09/08/92	Ishii, et al.	363	16
	152	5,237,511	08/17/93	Caird, et al.	702	58
	153	5,289,115	02/22/94	Germer, et al.	324	107
	154	5,469,049	11/21/95	Briese, et al.	324	76.77
	155	5,471,137	11/28/95	Briese, et al.	324	158.1
	156	5,537,333	07/16/96	Hemminger, et al.	702	60
	157	5,621,629	04/15/97	Hemminger, et al.	363	56.1
	158	5,631,554	05/20/97	Briese, et al.	324	76.77
	159	5,631,843	05/20/97	Munday, et al.	700	286
	160	5,691,634	11/25/97	Lowe	324	107
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>		



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<b>161</b>	"Enter the Electronic Metering Age With GE, The Electronic Polyphase Demand Meter, GE Electronic Metering," <i>GE Meters Brochure</i> , Somersworth, NH, <b>Sept. 1989</b>
	<b>162</b>	G.A. Kingston, et al., "Multi Function Polyphase Metering - An Integrated Approach," Schlumberger Industries Electricity Management, UK
	<b>163</b>	Garverick, Steven L. et al., "A Programmable Mixed-Signal ASIC of Power Metering," ISSCC91/Session 2/Low-Temperature Circuits and Special-Purpose Processors/Paper WP 2.4, IEEE International Solid -State Circuits Conference, <b>1991</b>
	<b>164</b>	Garverick, Steven L, et al., "A Programmable Mixed-Signal ASIC for Power Metering," IEEE Journal of Solid-State Circuits, Vol. 26, No. 12, <b>December 1991</b>
	<b>165</b>	GOW, J., Electrical Metering Practices, <b>1973</b> - <i>Copy of Reference not available</i>
	<b>166</b>	H. Kohler, "Elektronischer Hochprazisionzahler im 19-Zoll-Einbaughehause fur Wirkverbrauch-und Blindverbrauchzuhlung," Siemens Magazine, pp. 345-349, <b>1977</b>
	<b>167</b>	Handbook for Electricity Metering, <b>1981</b> - <i>Copy of Reference not available</i>
	<b>168</b>	HP Eggenberger, "Ein Elektronischer Elektrizitatzahler fur Wir -und Blindverauch," Neue Zurcher Zeitung, <b>September 6, 1989</b>
	<b>169</b>	In the Matter of Australian Patent Application No. 688711 in the name of ABB Power T&D Company Inc. and In the Matter of Opposition thereto by Electrowatt Technology Innovation Corporation, "Statement of Grounds and Particulars in Support of Opposition, <b>August 12, 1998</b>
	<b>170</b>	In the Matter of Australian Patent Application 688711 in the name of ABB Power T&D Company Inc. and In the Matter of Opposition Thereto by Electrowatt Technology Innovation Corporation, <i>Revised</i> "Statement of Grounds and Particulars in Support of Opposition, <b>February 19, 1999.</b>
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>		Application No. <b>10/618,129</b>	
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	Filing Date <b>July 11, 2003</b>		Group <b>Not Yet Assigned</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>				
	<b>171</b>	Landis & Gyr, "Electronic Meter, Class 0,2: ZFRI, ZMRI," July 1971		
	<b>172</b>	Landis & Gyr <b>Bulletin 920</b> Instruction/Technical Manual, Solid State Meter Class 20, Form 9S, 1 <sup>st</sup> printing 3/87		
	<b>173</b>	Landis & Gyr, <b>Bulletin 930</b> SSM2 Instruction/Technical Manual Polyphase Solid State Meter, Landis & Gyr, Lafayette, Indiana, (date unavailable)		
	<b>174</b>	Landis & Gyr, ZMA110m402 - Solid State Precision Meter IEC Class 1.0		
	<b>175</b>	Landis & Gyr, "Z.T. Precision Solid-State Meters, " <b>October 1988</b>		
	<b>176</b>	Laumann, H., et al., "Class 0,5 Precision Meter With Solid-State Measuring Elements," Landis & Gyr Review, <b>September 1974</b>		
	<b>177</b>	Lester, G., "A Communications Protocol For Reading and Programming Electronic Metering Devices From Hand Held Units," GEC Meters, UK		
	<b>178</b>	M. Schwendtner, et al., "Elektronischer Haushaltszähler" Elektrontechnische Zeitschrift etz, Vol. 112, No. 6-7, <b>1991</b> , pp. 320-323, together with an English translations of the same (Electronic Domestic Meter)		
	<b>179</b>	McGrath, Donald T, Signal Processing Considerations in Power Management Applications, GE Corporate Research and Development, <b>1991</b>		
	<b>180</b>	MT100 Electronic Time-of-Use Register Instruction Manual 0505, Schlumberger Industries, December <b>1991</b>		
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>		

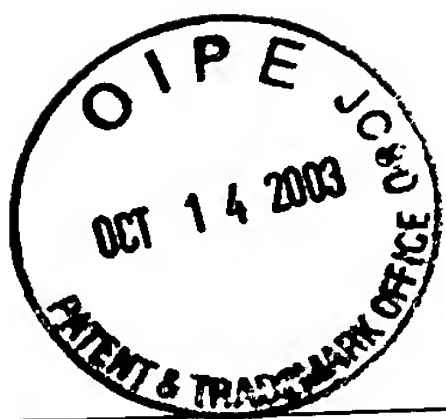


<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<b>181</b>	Negahaban, M., A DSP Based Watthour Meter, Silicon Systems, Inc., November 23, 1988
	<b>182</b>	Negahban, M. et al. "A DSP-Based Watthour Meter" IEEE International Solid State Circuits Conference Digest of Technical Papers 36th ISSC 1st Ed. NY, NY, USA 15-17, Feb. 1989
	<b>183</b>	Nilsen, "EMS 2100 Electricity Consumption Analyzer-Australian Design Award 1998," pp.1-16
	<b>184</b>	P.R. Hutt, et al, "Design, Benefits and Flexibility in Intelligent Metering Technology," Polymeters Limited, UK
	<b>185</b>	Product Brochure: "KVI Polyphase Combination Meter," Dated July 1988
	<b>186</b>	Progress in the Art of Metering Electric Energy," Institute of Electrical & Electronic Engineers, Electricity Metering Subcommittee, 1969
	<b>187</b>	QUAD4® Plus Multifunction Electronic Meter, User's Guide, Document A-117350, Revision L., Process Systems, Charlotte, NC, 1993
	<b>188</b>	Quantum Multi-Function Polyphase Meter Type SQ400, Preliminary Instruction Manual Draft III, March 1983
	<b>189</b>	Quantum Technical Guide, July 1989
	<b>190</b>	Quantum Electronic Meter Field Reference Manual For Q101, Q111, Q121 Q200, Q210, Q220 and Q230 Electronic Meters, Schlumberger Industries, prior to 1991
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<b>191</b>	ST-MT100 Electronic Time-of-Use Instruction Manual 0505, Sangamo Westing, Inc., May 1987.
	<b>192</b>	ST-DS130 Recorder Module Product Bulletin 13157, Schlumberger Industries, September 1988.
	<b>193</b>	ST-Q101 Series Electronic Meter, Product Bulletin 10253, Schlumberger Industries, Sept. 1988
	<b>194</b>	ST-Q200 Series System Measurement, Product Bulletin 10255, Schlumberger Industries, 1988
	<b>195</b>	ST-Q200 Series System Measurement, Product Bulletin 10255, Schlumberger Industries November 1990
	<b>196</b>	Su, Kendall L., "Fundamentals of Circuits, Electronics and Signal Analysis," Georgia Institute of Technology, Atlanta, GA, vol. 1, pp. 61-63, Dec. 1996
	<b>197</b>	Summers, R., Integrated Semiconductor Solutions For Metering and Telemetering Applications, Texas Instruments, April 1990
	<b>198</b>	Three-Phase, Watt-Hour Meter IC, Electronic Design, February 23, 1989
	<b>199</b>	Usenko, VV et al. "Meter For Recording the Energy of Single and Rarely-Repeating Ultrahigh-Energy Pulses," Radiotekhnika, Kharkov, Ukrainian SSR, No. 86, pp. 44-48, 1988, 2 REF
	<b>200</b>	Hutt, P.R. et al., "Design, Benefits and Flexibility in Intelligent Metering Technology", <i>Polymeters Limited</i> , United Kingdom, 67-71
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>





<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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		Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>201</b>	Summer, S.E. et al., "Wide Input Range Multiple Output Power Supply", <i>PCI</i> , April 1983, 228-236	
	<b>202</b>	RM-10 Metronic Portable Watthour Standard-Operations Manual Revisions E, February 1990, Radian Research, Inc., Power and Energy Measurement Specialists	
	<b>203</b>	RM-10, RM-12, RM-15 Operations Manual, Radian Research, Inc.	
	<b>204</b>	<b>Memorandum Order(Claim Construction)-</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Civil Action No. 01-077-SLR, <b>March 27, 2003</b>	
	<b>205</b>	<b>Complaint for Patent Infringement of U.S. Patent Nos. 5,548,527, 5,555,508, 5,457,621, 5,621,629, 5,903,145, and 6,097,182 and for Declaratory Judgment of Non-Infringement and Invalidity of U.S. Patent Nos. 5,469,049, 5,471,137, and 5,631,554,</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 12, 2001	
	<b>206</b>	<b>First Amended Complaint for Patent Infringement and for Declaratory Judgment of Non-Infringement, Invalidity and/or that Schlumberger is not Entitled to Relief,</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, June 12, 2001	
	<b>207</b>	<b>Answer and Affirmative Defense to First Amended Complaint and Counterclaims for Declaratory Judgment of Non-Infringement, Invalidity and/or Unenforceability and for Patent Infringement,</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, July 2, 2001	
	<b>208</b>	<b>Answer and Affirmative Defenses to Second Amended Complaint and Counterclaims for Declaratory Judgment of Non-Infringement, Invalidity, and/or Unenforceability and for Patent Infringement,</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, August 8, 2001	
	<b>209</b>	<b>Reply and Affirmative Defenses to Schlumberger's Counterclaims Filed in Response to ABB's Second Amended Complaint,</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, August 21, 2001	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
		Applicant <b>Rodney C. Hemminger, et al.</b>	
		Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>210</b>	<b>ABB's First Set of Interrogatories (Nos. 1-22)</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, September 14, 2001	
	<b>211</b>	<b>Schlumberger's First Set of Interrogatories to Plaintiff</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-077, September 21, 2001	
	<b>212</b>	<b>Schlumberger's Answers to ABB's First Set of Interrogatories (Numbers 1-22)</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 1, 2001	
	<b>213</b>	<b>ABB's Response and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29)</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 7, 2001	
	<b>214</b>	<b>Schlumberger's First Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22)</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 29, 2001	
	<b>215</b>	<b>Schlumberger's Second Set of Interrogatories to Plaintiff</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, December 12, 2001	
	<b>216</b>	<b>ABB's First Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29)</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, January 23, 2002	
	<b>217</b>	<b>Schlumberger's Second Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22)</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, January 29, 2002	
	<b>218</b>	<b>Schlumberger's Third Set of Interrogatories to Plaintiff</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 18, 2002	
	<b>219</b>	<b>Reply and Affirmative Defenses to Schlumberger's Amended-Counterclaims Filed in Response to ABB's Second Amended Complaint</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 20, 2002	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<b>220</b>	<b>Schlumberger's Answers to ABB's Second Set of Interrogatories (Number 23),</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, July 16, 2002
	<b>221</b>	<b>ABB's Second Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29),</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, March 18, 2002
	<b>222</b>	<b>ABB's First Supplemental Responses and Objections to Schlumberger's Second Set of Interrogatories (Nos. 30-31),</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 18, 2002
	<b>223</b>	<b>ABB's Response and Objections to Schlumberger's Third Set of Interrogatories (No. 32),</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 25, 2002
	<b>224</b>	<b>ABB's Second Set of Interrogatories (No. 23),</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, June 19, 2002
	<b>225</b>	<b>Videotaped Deposition upon Oral Examination of Glenn A. Mayfield(Including Exhibits),</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, August 20, 2002
	<b>226</b>	<b>ABB's Third Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29),</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 5, 2002
	<b>227</b>	<b>ABB's Final Supplemental Response and Objections to Schlumberger's Interrogatories,</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002
	<b>228</b>	<b>ABB's Final Supplemental Response and Objections to Schlumberger's Interrogatories,</b> In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>





<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>		Application No. <b>10/618,129</b>	
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	Filing Date <b>July 11, 2003</b>		Group <b>Not Yet Assigned</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>				
	<b>229</b>	<b>Memorandum Order(Summary Judgment Ruling)</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 27, 2003		
	<b>230</b>	<b>Schlumberger's Third Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22)</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002		
	<b>231</b>	Quantum® ST-Q121 Electronic Meter, Product Bulletin 10254, <b>Effective Date October 1990</b> , pages 1-22		
	<b>232</b>	Quantum® Q200 Series System Measurement, Product Bulletin 10255, <b>Effective Date November 1990</b> , 25 pages		
	<b>233</b>	Quantum® Q101 Series Electronic Meter, Product Bulletin 10253, <b>Effective June 1991</b> , 20 pages		
	<b>234</b>	Quantum® Technical Guide, <b>July 1989</b>		
	<b>235</b>	<b>Second Amended Complaint for Patent Infringement and for Declaratory Judgment of Non-Infringement, Invalidity and/or that Schlumberger is not Entitled to Relief</b> , In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, July 25, 2001		
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>		